

Amendments to the Specification

Please add the following new paragraph after the paragraph ending on line 3 of page 1:

CROSS REFERENCE TO RELATED APPLICATION

This application is based upon and claims the benefit of priority from Japanese Patent Application No. 2002-366299, filed on December 18, 2002, the entire contents of which are incorporated herein by reference.

Please replace the paragraph beginning on page 13, line 23, through page 14, line 7, with the following rewritten paragraph:

The color correction processing unit 20 performs the color correction processing on the image data which have been subjected to the interpolation processing as in the first embodiment. Herein, the color correction processing unit 20 uses the following formulae to perform the color correction processing for each pixel, based on the color correction coefficients informed by the color correction coefficient determining unit ~~29~~. 28.

$$R' = Kc1 \times R + Kc2 \times G + Kc3 \times B \quad (\text{Formula 4})$$

$$G' = Kc4 \times R + Kc5 \times G + Kc6 \times B \quad (\text{Formula 5})$$

$$B' = Kc7 \times R + Kc8 \times G + Kc9 \times B \quad (\text{Formula 6})$$

Where R, G, and B are image data of each color output from the interpolation processing unit 19, and R', G', and B' are image data of each color after the color correction processing.